

# New Leaf Beauty Therapy

## Client Information Sheet for Fat/ Cellulite Reduction

### Ultrasonic Cavitation and Radio Frequency

An effective non invasive, non surgical system to break down the fat and cellulite cells. The theory is that with high resolution focused ultrasound application, your fat cells will be literally bombarded with precision levels of energy. Result? Body fat cells absorb this ultrasound energy, and then your fat cell structure basically 'gives up', breaking down into a liquid which is then expelled by the body.

Does Ultrasound Radiation Harm Surrounding Cells or Nerves?

No. More complex structured cells associated with subcutaneous tissues and nerve fibre simply "reflect" the ultrasound radiation, leaving only the fat cells to absorb the energy until the fat cell structure collapses.

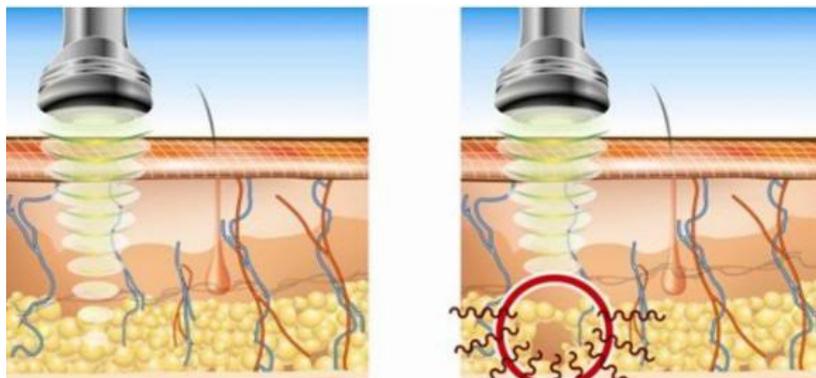
You won't suffer bruising, swelling, soreness or potential nerve damage that can occur with traditional liposuction treatment.

**Note: To be effective the treatments are to be used in conjunction with a healthy diet and exercise regime.**

### Ultrasound

The cavitation system uses a 40KHZ ultrasonic head to produce waves of sound that penetrates through the epidermis and dermis to the subcutaneous fat. In the compression cycle, supersonic waves impose a positive pressure on the molecule, whereas a negative pressure will be created through the expansion cycle. It means that the expansion and compression of the waves produce a lot of micro bubbles inside the fat and cellulite. There is a cohesive effect inside biological tissues; but inside the low-density fat lipocytes the cohesive effects are comparatively weak. The low negative pressure created by the ultrasonic head easily breaks down the fatty cells.

The cavitation effects inside and outside the cells will increase the molecular movements resulting in a high energy state, then lead to the lipocyte cracking.



## **Radio frequency**

The use of RF heats the tissue. There are two types of RF application, monopolar and bipolar. Monopolar RF passes through the epidermis to reach around 25mm depth and so treats the adipose tissue. Bipolar RF penetrates only a few mm and so is used for surface tissue. Multipolar RF combines both of these RF modes for a combined effect.

The heat creates seepage of cholesterol and triglyceride from the cell membranes which then gets reabsorbed and metabolized through the lymphatic system and liver. Because the seepage occurs over a series of treatments, there isn't an increase in liver function or increase in cholesterol or triglycerides in the blood, which could be harmful.

Typically, final results can be seen within 3 weeks and you can expect to see results after only 2-3 treatments. It is recommended to have 10 treatments to get the best results. The first seven treatments are undertaken about 3 days apart, with the final three treatments spread a week apart.

